

Title (en)  
FLEXOGRAPHIC PRINTING PLATE

Title (de)  
FLEXODRUCKPLATTE

Title (fr)  
PLAQUE D'IMPRESSION FLEXOGRAPHIQUE

Publication  
**EP 4019267 A1 20220629 (EN)**

Application  
**EP 20858014 A 20200701**

Priority  
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Abstract (en)  
The present invention provides a flexographic printing plate which is capable of achieving both of the reduction in dot gain of fine dots and satisfactory ink laydown on a solid-printed part. A flexographic printing plate obtained from a flexographic printing plate precursor comprising at least a support (A) , a photosensitive resin layer (B) and a heat-sensitive mask layer (C) which are laminated in this order, characterized in that the composite elastic modulus of each dot is 30 to 80 Mpa and the composite elastic modulus of each solid-printed part is 5 to 15 MPa. A photosensitive resin composition constituting the photosensitive resin layer (B) comprises (a) a polymer prepared by polymerizing a conjugated diene, (b) an ethylenically unsaturated compound and (c) a photopolymerization initiator, wherein the content of the photopolymerization initiator (c) in the photosensitive resin composition is 2 to 9% by mass, wherein the ethylenically unsaturated compound (b) includes a (meth)acrylate compound (i) having a number average molecular weight of 100 to 600, wherein the content of the compound (i) in the photosensitive resin composition is 5 to 16% by mass, and wherein the ratio of the mass of the photopolymerization initiator (c) and the mass of the compound (i) in the photosensitive resin composition is within the range of 0.20 to 0.55.

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